## Assignment -4

Inventory Management System for Retailers -

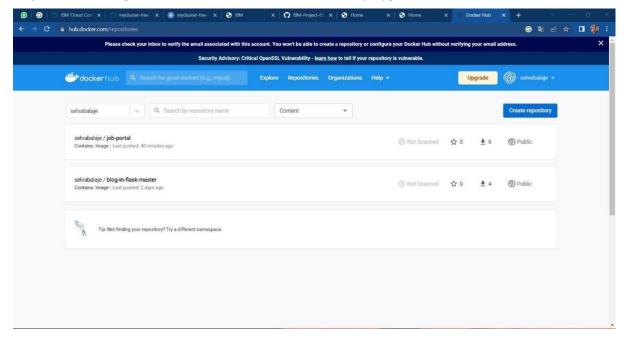
Student Name	Esaiveni E
Student Roll Number	960519104024

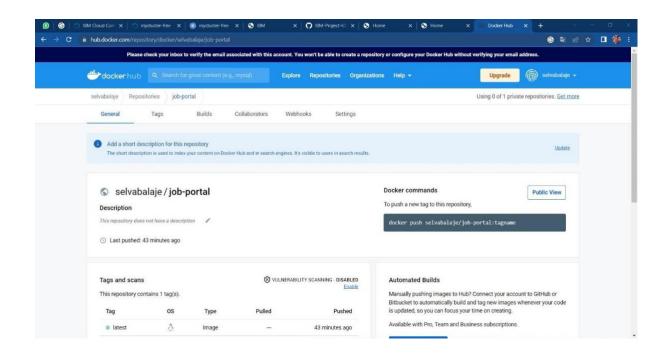
## Question-1:

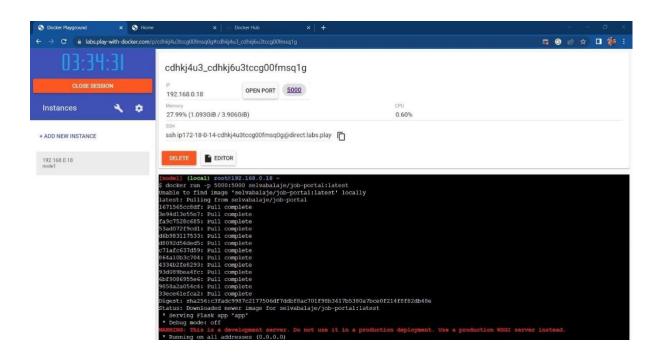
- 1. Pull an Image from docker hub and run it in docker playground.
- 2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
- 3. Create a IBM container registry and push docker image of flask application or job portal app.
- 4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

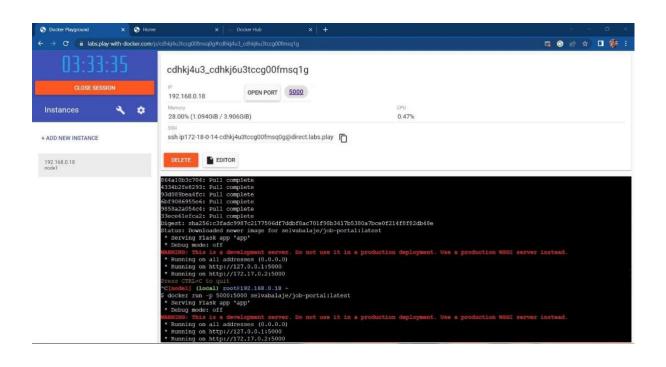
Solution: \*\*All the required files are uploaded in the ASSIGNMENTS/PADMANABAN P (TEAM LEADER)/ASSIGNMENT 4 folder in the Git repo. Please verify it sir/mam.

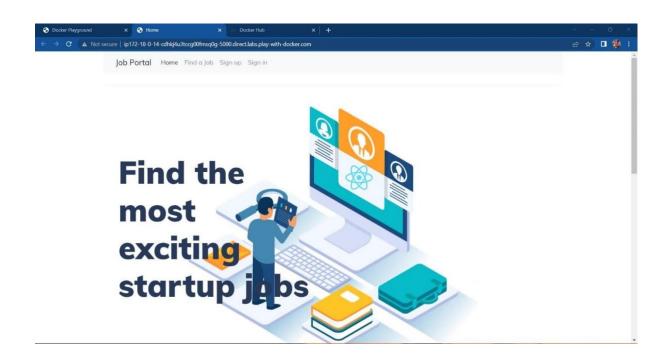
**Step 1**: Pull an Image from docker hub and run it in docker playground.

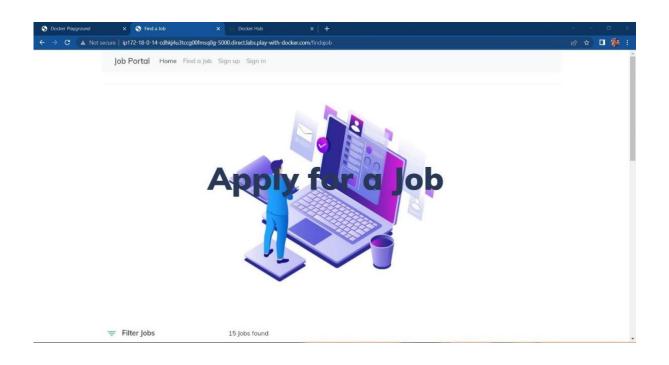


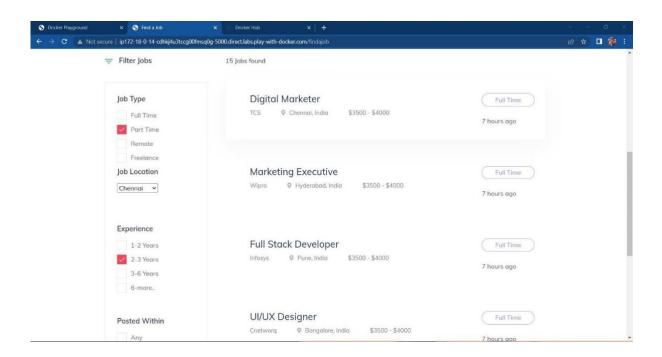


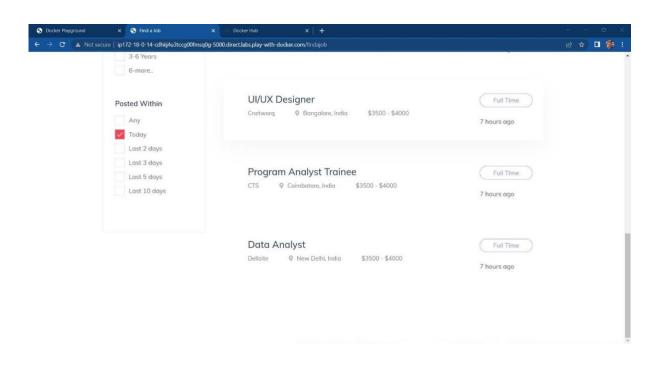


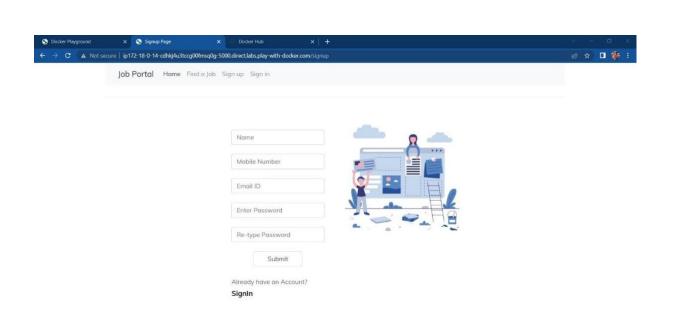


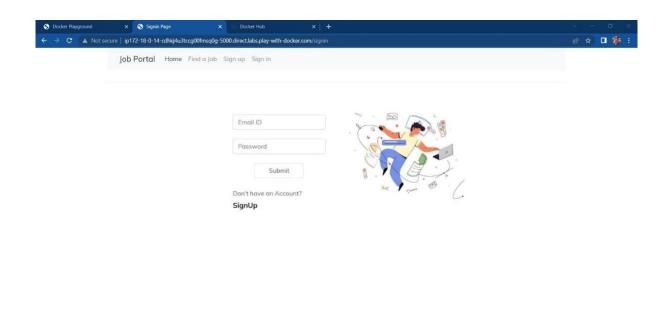




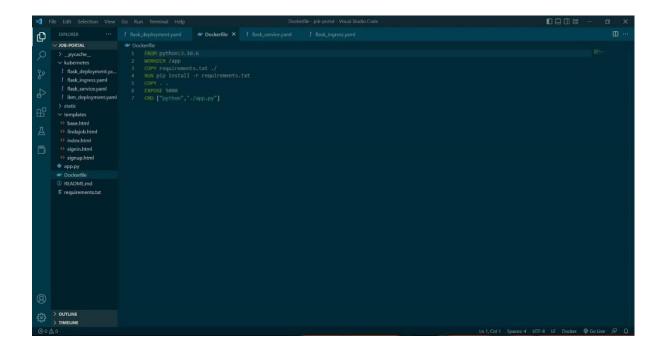


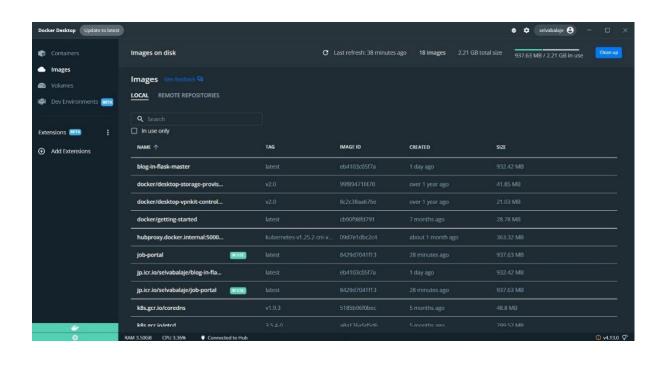


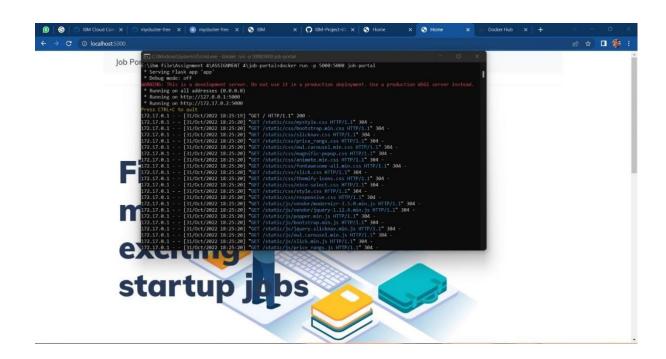


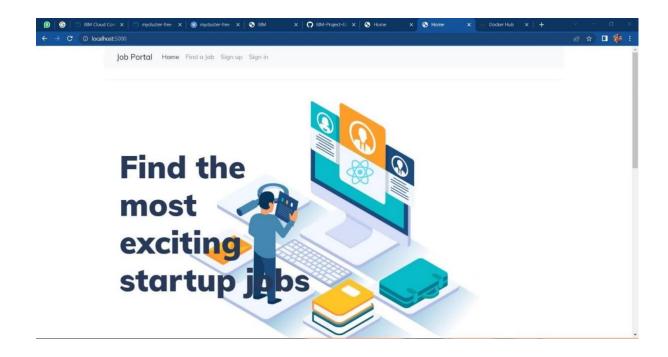


**Step 2**: Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

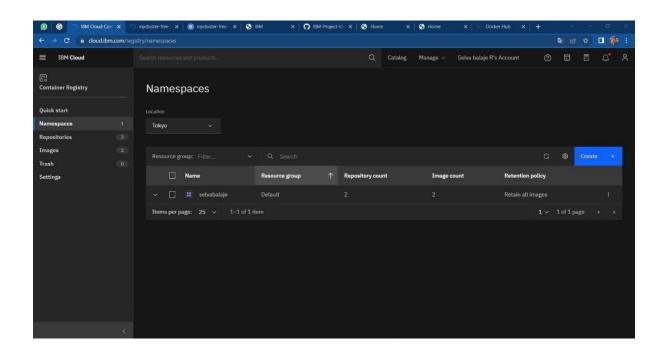


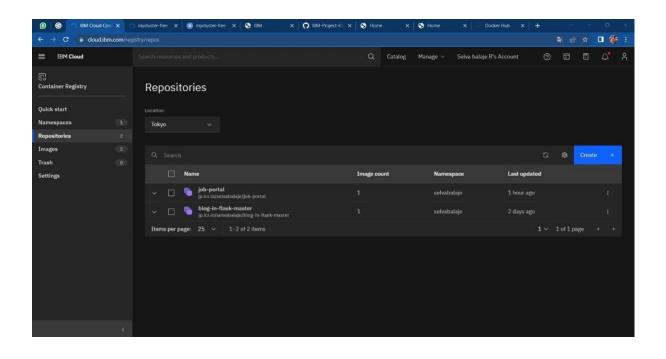


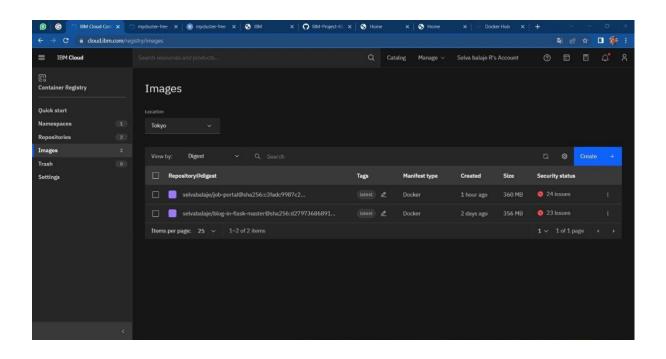




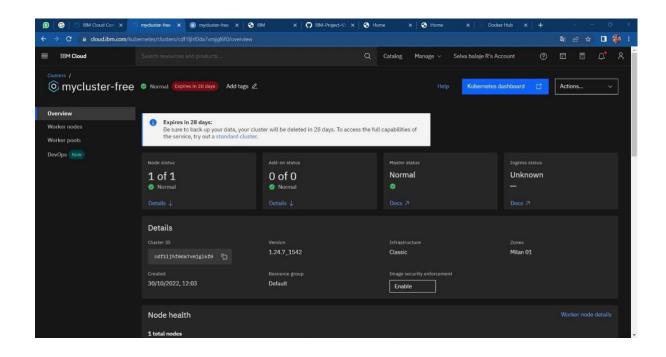
**Step 3**: Create a IBM container registry and push docker image of flask application or job portal app.

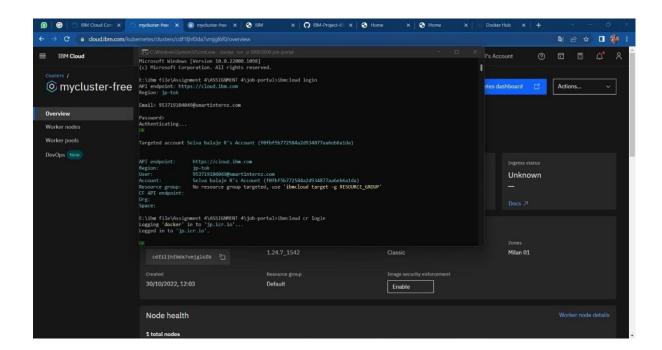


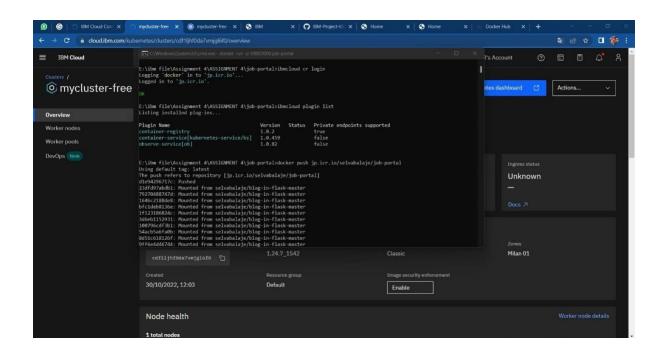


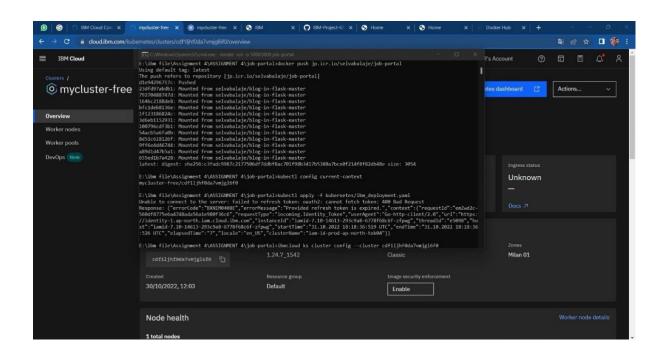


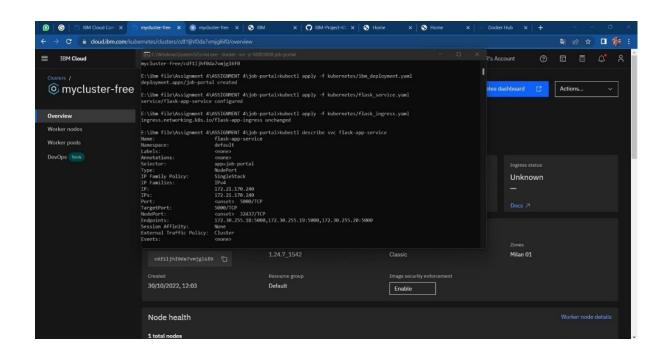
**Step 4**: Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

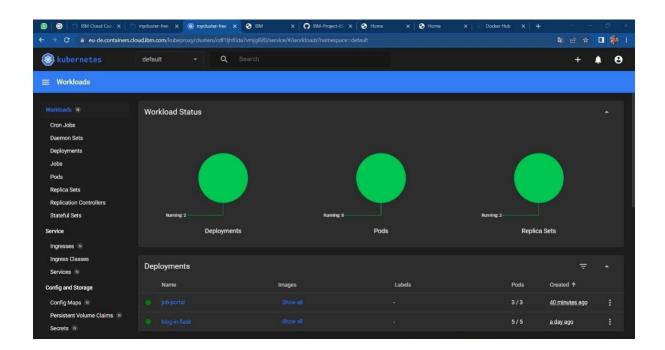


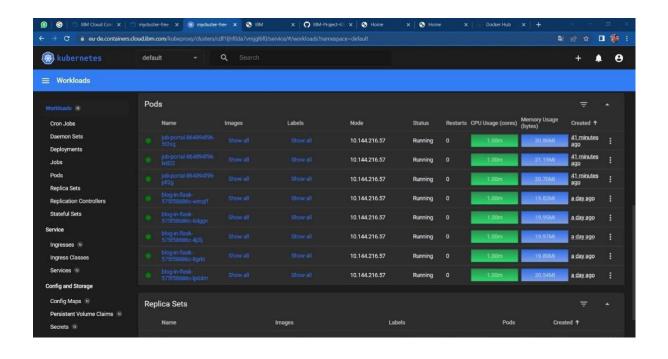


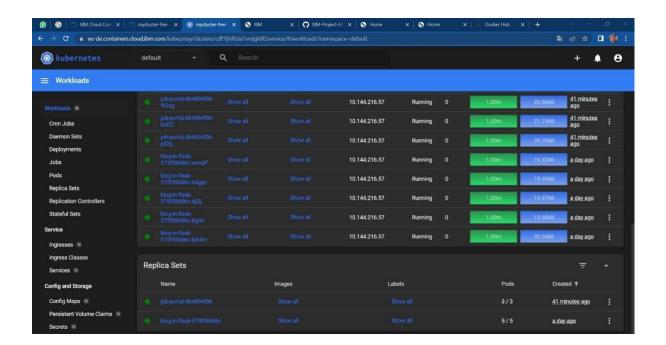


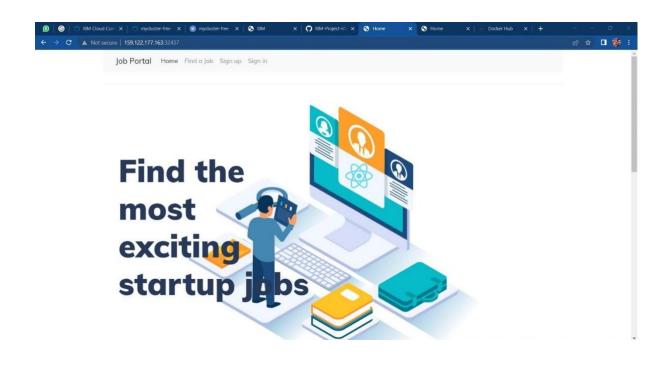


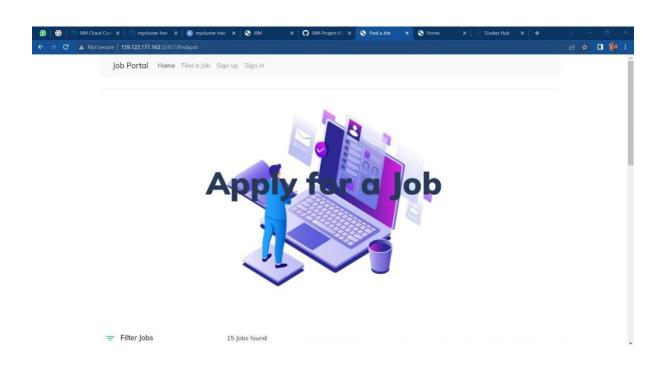


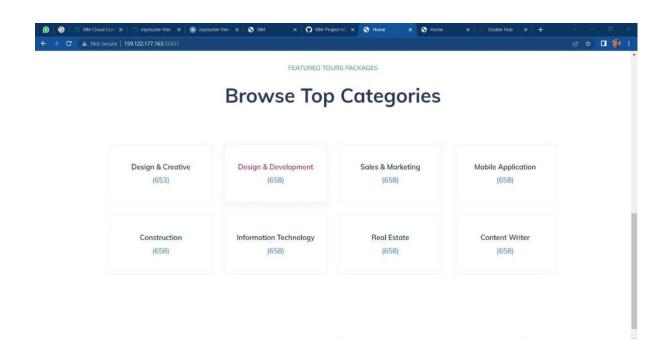


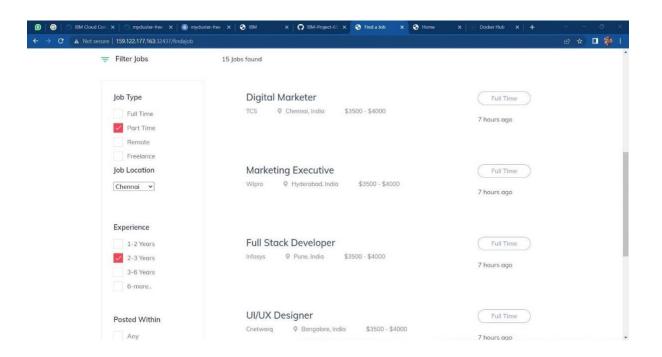


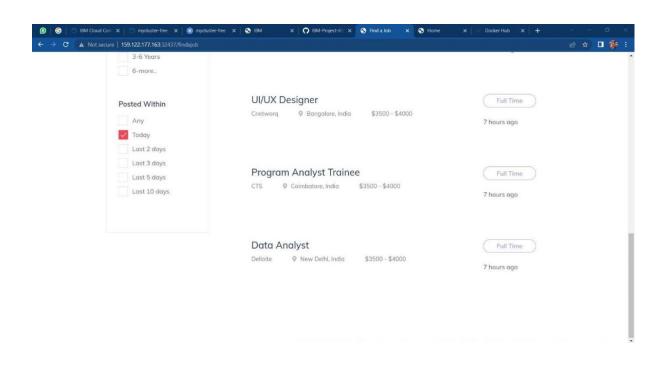


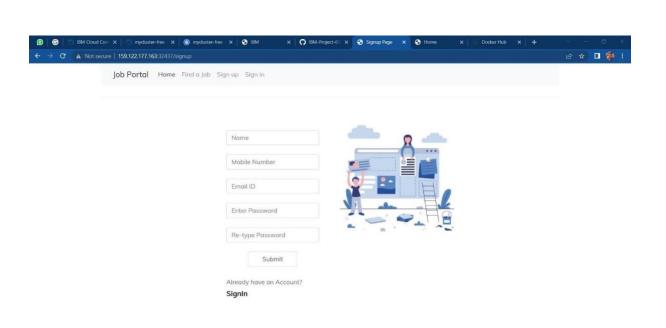


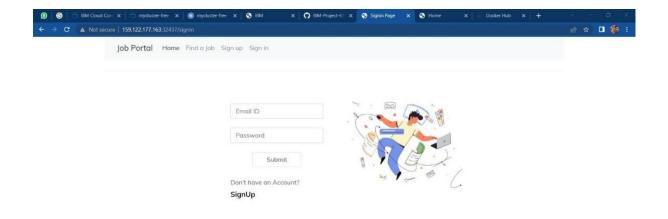












View the deployed Job-portal flask application by clicking the below link:

http://159.122.177.163:32437/